

**INVITATION TO BID**

Bid Invitation Number: #142-2012

Date of Issue: 09/20/2012

Sealed bids will be received in the office of the Division of Central Purchasing, 200 East Main Street, Lexington, Kentucky, until **2:00 PM**, prevailing local time on **10/4/2012**. Bids must be received by the above-mentioned date and time. Mailed bids should be sent to:

Division of Central Purchasing  
200 East Main Street, Rm 338  
Lexington, KY 40507, (859) 258-3320

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.

All bids must have the company name and address, bid invitation number, and the commodity/service on the outside of the envelope.

Bids are to include all shipping costs to the point of delivery located at: 1515 Old Frankfort Pike, Lexington KY

Bid Security Required:  Yes  No      Performance Bond Required:  Yes  No  
*Cashier Check, Certified Check, Bid Bond (Personal checks and company checks will not be acceptable).*

QTY	Commodity/Service
PCT	Fiber Optic Cable & Control Equipment
See specifications	

<p style="text-align: center;"><b><u>Check One:</u></b></p> <p><input checked="" type="checkbox"/> Bid Specifications Met</p> <p><input type="checkbox"/> Exceptions to Bid Specifications. <i>Exceptions shall be itemized and attached to bid proposal submitted.</i></p>	<p style="text-align: center;"><b><u>Proposed Delivery:</u></b></p> <p style="text-align: center;"><u>14</u> days after acceptance of bid.</p>
<p style="text-align: center;"><b><u>Procurement Card Usage</u></b></p> <p><input checked="" type="checkbox"/> Yes    The Lexington-Fayette Urban County Government will be using Procurement Cards to purchase goods and services and also to make payments. Will you accept Procurement Cards?</p> <p><input type="checkbox"/> No</p>	

Submitted by: REXEL Inc. (Electrol & Datacom)  
Firm 1440 Sunshine Lane  
Address Lexington, Ky 40515  
City, State & Zip Robert J. Mahle  
Signature of Authorized Company Representative – Title Robert J. Mahle  
Representative's Name (Typed or printed) 859-293-2611 859-293-0417  
Area Code - Phone - Extension Fax # robert.mahle@rex-lusa.com  
E-Mail Address

The Affidavit in this bid must be completed before your firm can be considered for award of this contract.

## II. Bid Conditions

- A. No bid may be withdrawn for a period of sixty (60) days after the date and time set for opening.
- B. No bid may be altered after the date and time set for opening. In the case of obvious errors, the Division of Central Purchasing may permit the withdrawal of a bid. The decision as to whether a bid may be withdrawn shall be that of the Division of Central Purchasing.
- C. Acceptance of this proposal shall be enactment of an Ordinance by the Urban County Council.
- D. The bidder agrees that the Urban County Government reserves the right to reject any and all bids for either fiscal or technical reasons, and to award each part of the bid separately or all parts to one vendor.
- E. Minor exceptions may not eliminate the bidder. The decision as to whether any exception is minor shall be entirely that of the head of the requisitioning Department or Division and the Director of the Division of Central Purchasing. The Urban County Government may waive technicalities and informalities where such waiver would best serve the interests of the Urban County Government.
- F. Manufacturer's catalogue numbers, trade names, etc., where shown herein are for descriptive purposes and are to guide the bidder in interpreting the standard of quality, design, and performance desired, and shall not be construed to exclude proposals based on furnishing other types of materials and/or services. However, any substitution or departure proposed by the bidder must be clearly noted and described; otherwise, it will be assumed that the bidder intends to supply items specifically mentioned in this Invitation for Bids.
- G. The Urban County Government may require demonstrations of the materials proposed herein prior to acceptance of this proposal.
- H. Bids must be submitted on this form and must be signed by the bidder or his authorized representative. Unsigned bids will not be considered.
- I. Bids must be submitted prior to the date and time indicated for opening. Bids submitted after this time will not be considered.
- J. All bids mailed must be marked on the face of the envelope:  
  

**"Bid on #142-2012 Fiber Optic Cable & Control Equipment"**

and addressed to:     Division of Central Purchasing  
                                  200 East Main Street, Room 338  
                                  Lexington, Kentucky 40507

**The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.**
- K. Bidder is requested to show both unit prices and lot prices. In the event of error, the unit price shall prevail.
- L. A certified check or Bid Bond in the amount of XX percent of the bid price must be attached hereto. This check must be made payable to the Lexington-Fayette Urban County Government, and will be returned when the material and/or services specified herein have been delivered in accordance with specifications. In the event of failure to perform within the time period set forth

in this bid, it is agreed the certified check may be cashed and the funds retained by the Lexington-Fayette Urban County Government as liquidated damages. Checks of unsuccessful bidders will be returned when the bid has been awarded.

- M. The delivery dates specified by bidder may be a factor in the determination of the successful bidder.
- N. Tabulations of bids received may be mailed to bidders. Bidders requesting tabulations must enclose a stamped, self-addressed envelope with the bid.
- O. The Lexington-Fayette Urban County Government is exempt from Kentucky Sales Tax and Federal Excise Tax on materials purchased from this bid invitation. Materials purchased by the bidder for construction projects are not tax exempt and are the sole responsibility of the bidder.
- P. All material furnished hereunder must be in full compliance with OSHA regulations.
- Q. If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected.
- R. Signature on the face of this bid by the Bidder or his authorized representative shall be construed as acceptance of and compliance with all terms and conditions contained herein.
- S. The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, creed, national origin, sex or age, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.
- T. The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin;*
- (2) The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age or national origin;*
- (3) The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provisions of the non-discrimination clauses required by this section; and*
- (4) The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses.*

The Act further provides:

KRS 45.610. Hiring minorities - Information required

- (1) For the length of the contract, each contractor shall hire minorities from other sources*

### III. Procurement Contract Bid Conditions

- A. The terms of this agreement shall be for 1 year from the date of acceptance of this contract by the Lexington-Fayette Urban County Government. This agreement may be extended for an additional 1 year renewal upon the written agreement of the bidder and the Lexington-Fayette Urban County Government. Said agreement must be in writing and must be executed prior to the expiration of the current agreement.
  
- B. Price Changes (**Space Checked Applies**)
  - (XXX) 1. Prices quoted in response to the Invitation shall be firm prices for the first 90 days of the Procurement Contract. After 90 days, prices may be subject to revision and such changes shall be based on general industry changes. Revision may be either increases or decreases and may be requested by either party. There will be no more than one (1) price adjustment per quarter. Requests for price changes shall be received in writing at least twenty (20) days prior to the effective date and are subject to written acceptance before becoming effective. Proof of the validity of a request for revision shall be responsibility of the requesting party. The Lexington-Fayette Urban County Government shall receive the benefit of any decline that the seller shall offer his other accounts.
  - () 2. No provision for price change is made herein. Prices are to be firm for the term of this contract.
  - () 3. Procurement Level Contract
  
- C. If any contract item is not available from the vendor, the Lexington-Fayette Urban County Government, at its option, may permit the item to be back-ordered or may procure the item on the open market.
  
- D. All invoices must bear reference to the Lexington-Fayette Urban County Government Purchasing document numbers which are being billed.
  
- E. This contract may be canceled by either party thirty (30) days after delivery by canceling party of written notice of intent to cancel to the other contracting party.
  
- F. This contract may be canceled by the Lexington-Fayette Urban County Government if it is determined that the Bidder has failed to perform under the terms of this agreement, such cancellation to be effective upon receipt of written notice of cancellation by the Bidder.
  
- G. No substitutions for articles specified herein may be made without prior approval of the Division of Central Purchasing.

Lexington-Fayette Urban County Government  
Division of Traffic Engineering  
Fiber Optic Cable and Control Equipment

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The Lexington-Fayette Urban County Government is accepting bids to establish a price contract for Fiber Optic Cable and Control Equipment for the Division of Traffic Engineering, at 1515 Old Frankfort Pike, Lexington, Kentucky, 40504, as per the following specifications:

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Notes to bidders:

- Pricing for the following shall be good for 365 days from acceptance of bid.
  - Special Requirements (Fiber Optic Cable Bids):
    - All Fiber Optic Cable shall have a 10-year warranty on the Fiber & Cable.
    - All bid prices for Fiber Optic cable shall be per linear foot.
    - It is anticipated that separate contracts for gel filled and non-gel filled loose buffer tube Fiber Optic Cable will be awarded. Bids for both gel filled and non-gel filled loose buffer tube Fiber Optic Cable will be accepted and evaluated independently.
    - All Fiber Optic Cable shipments shall be on wooden reels (coils will not be accepted).
  - For technical questions, contact Walter Hall at 859-258-3493 or at [walterh@lexingtonky.gov](mailto:walterh@lexingtonky.gov). For bidding questions, contact Theresa Maynard at 859-258-3320 or [theresam@lexingtonky.gov](mailto:theresam@lexingtonky.gov).
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Item #1. CATV 80 Channel Fiber Optic Video Link

Equivalent to Communications Supply Corporation #2804TD-SCAP-07

Item #2. CATV 880 Channel Video Link Receiver w/PF170

Equivalent to Communications Supply Corporation #2804RC-SFAP PS170-1

Item #3. External Single-Mode Fiber Modem Multi-Drop

Equivalent to Traffic Fiber Systems #FO 600SMST

Item #4. Internal Single-Mode Fiber Modem Multi Drop (Must have ST Type Connectors)

Equivalent to Traffic Fiber Systems #FO400SMST

Item #5. 12-Slot Rack for FO-400SMST, Modems/Power Supply, Note Rack is (10) slot free

Equivalent to Traffic Fiber Systems #R400/12

Item #6. Pre-loaded Rack Distribution Closet Housing

The above shall include one (1) Corning #CCH-04-U Closet Housing, with twelve (12) Corning CCH-CP12-59 (6-port panel SC Duplex Single Mode)

Item #7. Fiber Cleave Tool

Equivalent to Communications Supply Corporation #CL-310-VL

Item #8. Wall Mount Enclosure, 12-Port

Equivalent to Communications Supply Corporation #WIC-012

Item #9. Micro Fusion Splicer

OptiSplice M90e Fusion Splicer shall include carrying case with wheels, fast heat shrink oven, splice tray holder, AC power supply with US cord, li-Ion battery with external charger, 1-year limited warranty, operators manual on CD, USB worklight, maintenance tool kit (Corning Cable #M90e-XSM-T-H, no substitutes)

Item #10. Splice Protectors for Fusion Splices

Equivalent to Communications Supply Corporation #FT-1

Item #11. Breakaway Swivel, 5/8-inch x 4-inch

Equivalent to Communications Supply Corporation #MASV5

Item #12. Innerduct, 1-inch, Orange

Equivalent to Communications Supply Corporation #ICE 100

Item #13. Innerduct, 2-inch, Orange

Equivalent to Communications Supply Corporation #ICE 200

Item #14. Innerduct, 1-inch, Direct Bury, Orange

Equivalent to Communications Supply Corporation #IDE 131, innerduct shall have a minimum crush strength of 950-pounds per foot and a minimum tensile strength of 1,500-pounds

Item #15. Innerduct, 2-inch, Direct Bury, Orange

Equivalent to Communications Supply Corporation #IDE 237, innerduct shall have a minimum crush strength of 1,700-pounds per foot and a minimum tensile strength of 4,850-pounds.

Item #16. Junction Box Lid

for Pen cell #PE-30-HD Junction Box

Item #17. Cable Tie

Panduit PLT3H-TL-100 (No Substitute)

Item #18. Pole Washer Joslyn J1075 (No Substitute)

Item #19. Eye Bolt, 16-inch Joslyn J9416 (No Substitute)

Item #20. Messenger Cable, ¼-inch, Galvanized 2,000-ft. on a wooden reel

Item #21. Messenger Cable, ¼-inch, Galvanized 5,000-ft on a wooden reel

Item #22. Double Arming Bolt, 24-inch

Equivalent to Joslyn #J8874

Item #23. Pole Bolt, 18-inch

Equivalent to Joslyn #J8818

Item #24. Eye Bolt, 18-inch

Equivalent to Joslyn #J9418

Item #25. Oval Eye Nut

Equivalent to Joslyn #J1092

Item #26. Suspension Clamp

Equivalent to #PA296X

Item #27. Strand Vise, ¼-inch  
Reliable 5150 (No Substitute)

Item #28. Strand Link, ¼-inch  
Reliable 5000 (No Substitute)

Item #29. C Cable Lasher Equivalent to GMP #P/N 71420

Item #30. Lash Wire, .045 SS, 6 x 1200-ft per box  
Equivalent to GMP #71530

Item #31. D Lashing Clamp  
Equivalent to GMP #07886 (No Substitute)

Item #32. Junction Box w/Lid (Fiber), Traffic Bearing, Quazite with Traffic LOGO on Lid  
Box Quazite #PG1730BA12 (No Substitutes)  
Lid Quazite #PG1730HH0044 (No Substitutes)

Item #33. OTDR (Micro), Model Noves M200-K-Quad, No Substitutes

Item #34. Condux Fiber Optic Cable Puller Package 1, no substitutes, including

- Hydraulic Cable Puller
- Foot control/hydraulic control assembly
- Hoses and cords to connect to the puller
- Portable hydraulic power pack, gas 9-hp
- Remote Mounting Stand

Item #35. Condux Fiber Optic Cable, Capstan, No substitutes

- Capstan shall be 30-inch diameter, 4-inches wide

Item #36. Closet Splice Housing Kit for Master Splice Cabinet

Kit shall include

- (1) Corning CSH-05u 19-inch Rack Mount Housing
- (22) Corning M67-112 Type 2S Trays, for 24 Fusion splices per Tray
- (No Substitutes)
- Each kit shall have all items listed shipped in one box, per bid item number

Item #37. Duplex Jumpers

Fiber Optic Duplex Jumper shall be, 10-meter long,  
Equivalent to Fiber Instrument Sales # D38YS10FISA, SM ST to SC.

Item #38. Fiber Optic Jumpers

Fiber Optic Jumpers shall be Duplex SM 9/125, ST to ST, 3-meters long  
Equivalent to Fiber Instrument Sales #VDX988S3FISA

Item #39. Attenuator #1

ST Male-ST Female 10db SM 1310/1550 Atten UPC,  
Equivalent to Fiber Instrument Sales Inc. #F19622

Item #40. Attenuator #2

ST Male-ST Female 15db SM 1310/1550 Atten UPC,  
Equivalent to Fiber Instrument Sales Inc. #F19623

SPECIFICATIONS FOR LOOSE TUBE OPTICAL FIBER  
CABLES FOR OUTDOOR APPLICATIONS  
Corning Altos, No Substitutes

1.0 General Considerations

The cable shall meet all requirements stated in this specification. The cable shall meet the requirements of ANSI/ICEA Standard for Fiber Optic Outside Plant Communications Cable, ANSI/ICEA S-87-640-1999.

2.0 Fiber Characteristics

2.1 Detailed information on the fiber types available for this cable design can be found in the following documents

Dispersion Un-shifted and Non-zero Dispersion Shifted Single-mode Fiber Generic Specification F1, "Generic Specification for Single-mode Optical Fiber in Loose Tube and Ribbon Cables."

50/125  $\mu\text{m}$  and 62.5/125  $\mu\text{m}$  Multimode Fiber Generic Specification F2, "Generic Specification for Multimode Optical Fiber in Loose Tube and Ribbon Cables."

2.2 Optical Requirements

- 2.2.1 The optical fiber shall consist of a step index, germanium doped silica core within a concentric layer of silica cladding covered by concentric dual layers of UV cured acrylate coatings.
- 2.2.2 The product shall comply with the Characteristics of a Single-Mode Optical Fiber Cable (ITU-T G.652d).
- 2.2.3 Attenuation - Loose tube cabled fiber attenuation shall not exceed 0.35 dB/km at 1310 nm and 0.25 dB/km at 1550 nm. Attenuation measurements shall be made in accordance with either EIA-455-78 (Spectral Attenuation Cutback Measurement for Single-Mode Optical Fibers) or with EIA-455-59 (Generic Description of Optical Time Domain Reflectometry).
- 2.2.4 Attenuation Variation - The attenuation variation shall be less than 0.03 dB/km for wavelengths between 1285 nm and 1330 nm compared to the attenuation at 1310 nm. The attenuation variation shall be less than 0.05 dB/km for wavelengths between 1525 nm and 1575 nm compared to the attenuation at 1550 nm. Attenuation variation measurements shall be made in accordance with EIA-455-78 (Spectral Attenuation Cutback Measurement for Single-Mode Optical Fibers).
- 2.2.5 Attenuation at Water Peak - The initial attenuation at water peak shall not exceed 0.35 dB/Km at 1385 nm throughout the life of the fiber. Attenuation measurements shall be made in accordance with EIA-455-78 (Spectral Attenuation Cutback Measurement for Single-Mode Optical Fibers).
- 2.2.6 Attenuation Point Discontinuity - The attenuation point discontinuity shall not exceed 0.1 dB at 1310 nm or 1550 nm throughout the cable length. Attenuation discontinuity measurements shall be made in accordance with EIA-455-59 (Generic Description of Optical Time Domain Reflectometry).



## 7.0 Miscellaneous

- 7.1 At the request of the customer, the cable manufacturer shall provide installation procedures and technical support concerning the items contained in this specification.
- 7.2 All prospective bidders must provide off-site, hands-on training for two (2) LFUCG technicians at the prospective bidder's expense. The off-site, hands-on training should be a minimum of 24 contact hours per technician.
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### Loose Tube Type Fiber Optic Cable

Item #41. 6-fiber Cable, Non-Gel

Item #42. 12-fiber Cable, Non-Gel

Item #43. 24-fiber Cable, Non-Gel

Item #44. 36-fiber Cable, Non-Gel

Item #45. 48-fiber Cable, Non-Gel

Item #46. 72-fiber Cable, Non-Gel

Item #47. 96-fiber Cable, Non-Gel

Item #48. 120-fiber Cable, Non-Gel

Item #49. 144-fiber Cable, Non-Gel

Item #50. 156-fiber Cable, Non-Gel

Item #51. 288-fiber Cable, Non-Gel

Item #52. Detectable 5/16-inch Duct Rod with Cart and Accessories

Duct rod with cart shall be DCD 5/16-inch with the following accessories Splice Connector, Flexible Guide Head, Pulling Eye, Swivel Rod End (attached), Female Rod End (attached), Roller Guide, Clevis End, Glue, Rod Gripper, Accessory Pouch. Detectable Duct Rod with cart shall be equivalent to MGT Diversified Solutions, LLC part #53700-400

Item #53. Detectable Fiber Optic Cable Pulling Tape

Pulling tape shall be Tensile Strength 1,800-pounds, Width 5/8-inch, Construction Woven, Pre-Lubrication Yes, Foot-Markings Yes, priced in 1,000-foot lengths. Detectable Fiber Optic Cable Pulling Tape shall be equivalent to MGT Diversified Solutions, LLC part #P1800T

Item #54. Multilink 16-inch Sno Shoe w/Tap

Equivalent to Core [Data Com] part # 2116-SSPTB

Item #55. Stackable Cable Spacer

Panduit # SACS 50-T100, No Substitutes

Item #56. Fiber Optic Duplex Jumper, 10-meter Duplex SM 9/125, ST to ST  
Equivalent to Fiber Instrument Sales #DX988S10FIS

Item #57. Fiber Optic Duplex Jumper, 3-meter, SC to SC  
Equivalent to Fiber Instrument Sales #VDX9YY3FIS

Item #58. Lasher/Overlasher w/chest, GMP 70400 Apollo  
#GMP 70400 Apollo, No Substitutes

Item #59. Fiber Termination Kit (Controller Cabinet) Each kit shall contain the following

- One (1) Velcro wrap, Black, (1" x 8") w/screw mount cut out, Part #CT3108
- Four (4) Duplex ST to ST 3-meter jumpers, SM, Part #VDX988S3FIS (FIS part #)
- One (1) #313351 Corning-C, SPH-01P, 12-F, Wall Mount Enclosure Single Panel Housing
- One (1) #180699, Corning-C, CCH-CP06-19T, 6-port panel ST SM loaded
- No Substitutes
- Each kit shall have all items listed shipped in one box, per bid item number

Item #60. Fiber Installation Kit (Novice) Each kit shall contain the following

- One (1) indoor/outdoor 6-fiber single-mode cable, ST connector to pigtail, 100-meter/1 meter breakout, Part #138-S100FIS/6.
- One (1) Velcro wrap, Black, (1" x 8") w/screw mount cut out, Part #CT3108
- Two (2) Duplex ST to ST 3-meter, SM jumper, Part #VDX988S3FIS (FIS part #)
- One (1) #313351 Corning-C, SPH-01P, 12-F, Wall Mount Enclosure Single Panel Housing
- One (1) #180699, Corning-C, CCH-CP06-19T, 6-port panel ST SM loaded
- No Substitutes
- Each kit shall have all items listed shipped in one box, per bid item number

Item #61. Precision Optical Fiber Cleaver  
Equivalent to Fitel #S323

Item #62. Fiber Optic Shackle  
GMP #70045

Item #63. Fiber Optic Conduit Checker  
DCD Design #08500-200

Item #64. Fiber Optic Duct entry Guide, 2-inch  
DCD Design #32500-200

Item #65. Fiber Optic Duct Entry Guide, 4-inch  
DCD Design #32500-400

Item #66. Fiber Optic Spool Frame  
DCD Design #58540-010

Item #67. Fiber Optic Quadrant, Black  
GMP Tools #15316

Item #68. Fiber Optic Reel Trailer  
Wheeler Reeler Model 35 (Slaback Enterprises Equivalent)

Item #69. Fiber Optic Equipment Trailer  
Tractor Supply #0191160 Equivalent

Item #70. Pull Rope, ½-inch x 1200-feet

IDEAL #31-851, ½-inch x 1200-feet, No Substitutes

Item #71. Optical Fiber Access Tool

for mid-span Buffer Tube Splits, Corning-C #OFT-000 (No Substitutes)

Item #72. Fiber Lube Applicator Kit

DCD Design #35100-000 (No Substitutes)

Item #73. Fiber Lube, 5-gallon

DCD Design #35000-050 (No Substitutes)

Item #74. Starfighter Fiber Optic Dome Splice Closure Kit, Kit shall contain

- One (1) 4048D Starfighter dome splice closure (Multilink #10-8365)
- One (1) 4000/4048D Starfighter Aerial Hanger Kit (Multilink #10-8362)
- One (1) 4048-SSTP splice tray 24 single/48 ribbon splice capacity (Multilink #10-8007)
- Each kit shall have all items listed shipped in one box, per bid item number

Item #75. Aerial Cable Puller

Condux #18108000, No Substitutes

Item #76. 21-foot Lay Up Stick

Condux #18143621, No Substitutes

Item #77. Wire Raising Tool

Condux #18110812, No Substitutes

Item #78. Cable Block Lifter

Condux #18110834, No Substitutes

Item #79. Cable Block Pusher

Condux #18109240, No Substitutes

Item #80. Cable Block

Condux #18001270, No Substitutes

Item #81. Overlash Aerial Puller Cable

Condux #18308000, No Substitutes

Item #82. Camsplice Assembly Fixture

FIS #2104040-01 (No Substitutes)

Item #83. Jumper Clamp

N/S Electric M EM 0800, No Substitutes

Item #84. 4000D Dome Kit for 288 Total Splices, Kit shall contain

- One (1) #10-8146 (4000d Dome w/1 tray)
- Seven (7) #065-001-10 (36 ct trays)
- Three (3) #10-6028 (Cable Addition Kits)
- One (1) #10-5324 (Aerially Hanging Bracket)
- All items in kit shall be shipped in one (1) box.

Item #85. HP Procurve 6200yl-24G-mGBIC Switch

Hewlett-Packard #J8992A#ABA, No Substitutes

Item #86. HP Procurve Gigabit-LX-LC Mini-GBIC Transceiver Module  
Hewlett-Packard #J4859C, No Substitutes

Item #87. HP Procurve Gigabit Ethernet SFP Mini-GBIC  
Hewlett-Packard #J8177C, No Substitutes

Item #88. Rugged Switch RS900G (RuggedComm #RS900G-24-P-2SC10)

Item #89. Rugged Switch RS900G (RuggedComm #RS900G-24-P-2SC25)

Item #90. Digi Port Server TS 2 MEI  
Digi North America Part #70001806

Item #91. Conduit Inspection Camera  
General Pipe Cleaners Gen-Eye SD Part #CMSDC with standard color camera and 200-ft. rod,  
No Substitutes

Item #92. Non-Metallic Pole Riser  
Extra Heavy Duty Schedule 80 Carlon PV Mold #59411N, No Substitutes

Item #93. Non-Metallic Pole Riser Adaptor  
2-inch – 4-inch adaptor for Carlon PV Mold Carlon #E939JN, No Substitutes

Item #94. Fiber Optic Duplex Jumper, 3-meter, SC to ST  
Fiber Optic Jumpers shall be Duplex SM 9/125, SC to ST, 3-meters long,  
Equivalent to Fiber Instrument Sales #D38YS3FISC

Item #95. 64-gigabit IPOD Touch Diagnostic/Data Collection Tool

Bid #141-2010		
Fiber-Optic Cable and Control Equipment		
<u>PRICING:</u>		
	<u>Item</u>	<u>Price each:</u>
1	CATV 80 Channel Fiber-Optic Video Link	\$ NQ
2	CATV 880 Channel Video Link Receiver w/PF170	\$ NQ
3	External Single-Mode Fiber Modem Multi-Drop	\$ NQ
4	Internal Single-Mode Fiber Modem Multi Drop (Must have ST Type Connectors)	\$ NQ
5	Item #5. 12-Slot Rack for FO-400SMST, Modems/Power Supply, Note Rack is (10) slot free	\$ NQ
6	Pre-loaded Rack Distribution Closet Housing	\$ NQ
7	Fiber Cleave Tool	\$ 245. <sup>00</sup>
8	Wall Mount Enclosure, 12-Port	\$ 43. <sup>50</sup>
9	Micro Fusion Splicer	\$ NQ
10	Splice Protectors for Fusion Splices	\$ 13. <sup>90</sup>
11	Breakaway Swivel, 5/8-inch x 4-inch	\$ 105. <sup>00</sup>
12	Innerduct, 1-inch, Orange	\$ .36
13	Innerduct, 2-inch, Orange	\$ .94
14	Innerduct, 1-inch, Direct Bury, Orange	\$ .38
15	Innerduct, 2-inch, Direct Bury, Orange	\$ .76
16	Junction Box Lid	\$ N/Q
17	Cable Tie	\$ .44
18	Pole Washer Joslyn J1075 (No Substitute)	\$ N/Q
19	Eye Bolt, 16-inch Joslyn J9416 (No Substitute)	\$ N/Q
20	Messenger Cable, 1/4-inch, Galvanized 2,000-ft. on a wooden reel	\$ 499. <sup>00</sup>
21	Messenger Cable, 1/4-inch, Galvanized 5,000-ft on a wooden reel	\$ 1275. <sup>00</sup>
22	Double Arming Bolt, 24-inch	\$ 3.55
23	Pole Bolt, 18-inch	\$ 2.45
24	Eye Bolt, 18-inch	\$ 4.74
25	Oval Eye Nut	\$ 2.28
26	Suspension Clamp	\$ 10.95
27	Strand Vise, 1/4-inch	\$ N/Q
28	Strand Link, 1/4-inch	\$ N/Q
29	C Cable Lasher Equivalent to GMP #P/N 71420	\$ N/Q

30	Lash Wire, .045 SS, 6 x 1200-ft per box	\$ N/Q
31	D Lashing Clamp	\$ N/Q
32	Junction Box w/Lid (Fiber), Traffic Bearing, Quazite with Traffic LOGO on Lid OTDR (Micro), Model	\$ 349. <sup>00</sup>
33	OTDR (Micro), Model Noyes M200-K-Quad, No Substitutes	\$ N/Q
34	Condux Fiber Optic Cable Puller Package 1, no substitutes, including	\$ N/Q
35	Condux Fiber Optic Cable, Capstan, No substitutes	\$ N/Q
36	Closet Splice Housing Kit for Master Splice Cabinet	\$ N/Q
37	Duplex Jumpers	\$ 13. <sup>25</sup>
38	Fiber Optic Jumpers	\$ 10. <sup>95</sup>
39	Attenuator #1	\$ N/Q
40	Attenuator #2	\$ N/Q
41	6-fiber Cable, Non-Gel	\$ .27
42	12-fiber Cable, Non-Gel	\$ .45
43	24-fiber Cable, Non-Gel	\$ .79
44	36-fiber Cable, Non-Gel	\$ 1.28
45	48-fiber Cable, Non-Gel	\$ 1.55
46	72-fiber Cable, Non-Gel	\$ 2.45
47	96-fiber Cable, Non-Gel	\$ 3.50
48	120-fiber Cable, Non-Gel	\$ 4.10
49	144-fiber Cable, Non-Gel	\$ 5.40
50	156-fiber Cable, Non-Gel	\$ N/Q
51	288-fiber Cable, Non-Gel	\$ N/Q
52	Detectable 5/16-inch Duct Rod with Cart and Accessories	\$ N/Q
53	Detectable Fiber Optic Cable Pulling Tape	\$ <del>81.00</del> 81. <sup>00</sup> M/A. Rjm
54	Multilink 16-inch Sno Shoe w/Tap	\$ 36. <sup>90</sup>
55	Stackable Cable Spacer	\$ 385. <sup>00</sup>
56	Fiber Optic Duplex Jumper, 10-meter Duplex SM 9/125, ST to ST	\$ 14. <sup>65</sup>
57	Fiber Optic Duplex Jumper, 3-meter, SC to SC	\$ 10. <sup>55</sup>
58	Lasher/Overlasher w/chest, GMP 70400 Apollo	\$ N/Q
59	Fiber Termination Kit (Controller Cabinet)	\$ N/Q
60	Fiber Installation Kit (Novice)	\$ N/Q
61	Precision Optical Fiber Cleaver	\$ N/Q

62	Fiber Optic Shackle	\$ N/Q
63	Fiber Optic Conduit Checker	\$
64	Fiber Optic Duct entry Guide, 2-inch	\$
65	Fiber Optic Duct Entry Guide, 4-inch	\$
66	Fiber Optic Spool Frame	\$
67	Fiber Optic Quadrant, Black	\$
68	Fiber Optic Reel Trailer	\$
69	Fiber Optic Equipment Trailer	\$
70	Pull Rope, ½-inch x 1200-feet	\$
71	Optical Fiber Access Tool	\$
72	Fiber Lube Applicator Kit	\$
73	Fiber Lube, 5-gallon	\$
74	Starfighter Fiber Optic Dome Splice Closure Kit	\$ 204. <sup>00</sup>
75	Aerial Cable Puller	\$ 192. <sup>00</sup>
76	21-foot Lay Up Stick	\$ 177. <sup>00</sup>
77	Wire Raising Tool	\$ 63. <sup>00</sup>
78	Cable Block Lifter	\$ 90. <sup>00</sup>
79	Cable Block Pusher	\$ 73. <sup>00</sup>
80	Cable Block	\$ 85. <sup>00</sup>
81	Overlash Aerial Puller Cable	\$ 410. <sup>00</sup>
82	Camsplice Assembly Fixture	\$ N/Q
83	Jumper Clamp	\$ N/Q
84	4000D Dome Kit for 288 Total Splices	\$ 420. <sup>00</sup>
85	HP Procurve 6200yl-24G-mGBIC Switch	\$ N/Q
86	HP Procurve Gigabit-LX-LC Mini-GBIC Transceiver Module	\$
87	HP Procurve Gigabit Ethernet SFP Mini-GBIC	\$
88	Rugged Switch RS900G (RuggedComm #RS900G-24-P-2SC10)	\$
89	Rugged Switch RS900G (RuggedComm #RS900G-24-P-2SC25)	\$
90	Digi Port Server TS 2 MEI	\$
91	Conduit Inspection Camera	\$
92	Non-Metallic Pole Riser	\$
93	Non-Metallic Pole Riser Adaptor	\$ N/Q

94	Fiber Optic Duplex Jumper, 3-meter, SC to ST	\$ 10. <sup>25</sup>
95	64-gigabit IPOD Touch Diagnostic/Data Collection Tool	\$ N/Q



**AFFIDAVIT**

Comes the Affiant, Robert Mahle Reel, and after being first duly sworn under penalty of perjury as follows:

1. His/her name is Robert Mahle and he/she is the individual submitting the bid or is the authorized representative of

Revel Inc.

the entity submitting the bid (hereinafter referred to as "Bidder").

2. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.

3. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.

4. Bidder has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.

5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.

6. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."

7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.

Robert Mahle

STATE OF Kentucky

COUNTY OF Fayette

The foregoing instrument was subscribed, sworn to and acknowledged before me

by Robert Mahle on this the 4<sup>th</sup> day

of October, 2012.

My Commission expires: 3/30/13

[Signature]  
NOTARY PUBLIC, STATE AT LARGE

Julie Stone

*Please refer to Section II. Bid Conditions, Item "U" prior to completing this form.*

## **I. GREEN PROCUREMENT**

### **A. ENERGY**

The Lexington-Fayette Urban County Government is committed to protecting our environment and being fiscally responsible to our citizens.

The Lexington-Fayette Urban County Government mandates the use of Energy Star compliant products if they are available in the marketplace (go to [www.Energystar.gov](http://www.Energystar.gov)). If these products are available, but not submitted in your pricing, your bid will be rejected as non-compliant.

ENERGY STAR is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

#### Key Benefits

These products use 25 to 50% less energy  
Reduced energy costs without compromising quality or performance  
Reduced air pollution because fewer fossil fuels are burned  
Significant return on investment  
Extended product life and decreased maintenance

### **B. GREEN SEAL CERTIFIED PRODUCTS**

The Lexington-Fayette Urban County Government is also committed to using other environmentally friendly products that do not negatively impact our environment. Green Seal is a non-profit organization devoted to environmental standard setting, product certification, and public education.

Go to [www.Greenseal.org](http://www.Greenseal.org) to find available certified products. These products will have a reduced impact on the environment and on human health. The products to be used must be pre-approved by the LFUCG prior to commencement of any work in any LFUCG facility. If a Green Seal product is not available, the LFUCG must provide a signed waiver to use an alternate product. Please provide information on the Green Seal products being used with your bid response.

### **C. GREEN COMMUNITY**

**The Lexington-Fayette Urban County Government (LFUCG) serves as a principal, along with the University of Kentucky and Fayette County Public Schools, in the Bluegrass Partnership for a Green Community. The Purchasing Team component of the Partnership collaborates on economy of scale purchasing that promotes and enhances environmental initiatives. Specifically, when applicable, each principal is interested in obtaining best value products and/or services which promote environment initiatives via solicitations and awards from the other principals.**

**If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other principals of the Bluegrass Partnership for a Green Community (i.e. University of Kentucky and Fayette County Schools) if requested?**

Yes  No

*within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetable.*

- (2) *Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.*

**KRS 45.620. Action against contractor - Hiring of minority contractor or subcontractor**

- (1) *If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.*
- (2) *If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may declare such a contractor ineligible to bid on further contracts with that agency until such time as the contractor complies in full with the requirements of KRS 45.560 to 45.640.*
- (3) *The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.*

**KRS 45.630 Termination of existing employee not required, when**

*Any provision of KRS 45.560 to 45.640 notwithstanding, no contractor shall be required to terminate an existing employee upon proof that that employee was employed prior to the date of the contract.*

**KRS 45.640 Minimum skills**

*Nothing in KRS 45.560 to 45.640 shall require a contractor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.*

It is recommended that all of the provisions above quoted to be included as special conditions in each contract. In the case of a contract exceeding \$250,000, the contractor is required to furnish evidence that his work-force in Kentucky is representative of the available work-force in the area from which he draws employees, or to supply an Affirmative Action plan which will achieve such representation during the life of the contract.

- U. Any party, firm or individual submitting a proposal pursuant to this invitation must be in compliance with the requirements of the Lexington-Fayette Urban County Government regarding taxes and fees before they can be considered for award of this invitation and must maintain a "current" status with regard to those taxes and fees throughout the term of the contract. The contractor must be in compliance with Chapter 13 from the Code of Ordinances

of the Lexington-Fayette Urban County Government. The contractor must be in compliance with Ordinance 35-2000 pursuant to contractor registration with the Division of Building Inspection. If applicable, said business must have a Fayette County business license.

Pursuant to KRS 45A.343 and KRS 45A.345, the contractor shall

- (1) *Reveal any final determination of a violation by the contractor within the previous five year period pursuant to KRS Chapters 136 (corporation and utility taxes), 139 (sales and use taxes), 141 (income taxes), 337 (wages and hours), 338 (occupational safety and health of employees), 341 (unemployment and compensation) and 342 (labor and human rights) that apply to the contractor; and*
- (2) *Be in continuous compliance with the above-mentioned KRS provisions that apply to the contractor for the duration of the contract.*

A contractor's failure to reveal the above or to comply with such provisions for the duration of the contract shall be grounds for cancellation of the contract and disqualification of the contractor from eligibility for future contracts for a period of two (2) years.

- V. Vendors who respond to this invitation have the right to file a notice of contention associated with the bid process or to file a notice of appeal of the recommendation made by the Director of Central Purchasing resulting from this invitation.

Notice of contention with the bid process must be filed within 3 business days of the bid/proposal opening by (1) sending a written notice, including sufficient documentation to support contention, to the Director of the Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his/her contention with the bid process. After consulting with the Commissioner of Finance the Chief Administrative Officer and reviewing the documentation and/or hearing the vendor, the Director of Central Purchasing shall promptly respond in writing findings as to the compliance with bid processes. If, based on this review, a bid process irregularity is deemed to have occurred the Director of Central Purchasing will consult with the Commissioner of Finance, the Chief Administrative Officer and the Department of Law as to the appropriate remedy.

Notice of appeal of a bid recommendation must be filed within 3 business days of the bid recommendation by (1) sending a written notice, including sufficient documentation to support appeal, to the Director, Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his appeal. After reviewing the documentation and/or hearing the vendor and consulting with the Commissioner of Finance and the Chief Administrative Officer, the Director of Central Purchasing shall in writing, affirm or withdraw the recommendation.

EQUAL OPPORTUNITY AGREEMENT

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.

Section 503 of the Rehabilitation Act of 1973 states:

*The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.*

Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.

Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

*The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.*

\*\*\*\*\*

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

*I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.*

*Robert J. McElb*

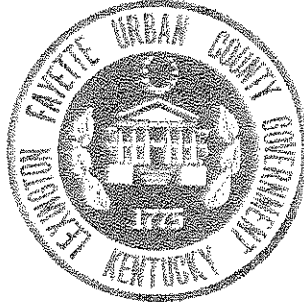
*REXEL Inc.*

Signature

Name of Business

# Lexington Fayette Urban County Government

Division of Central Purchasing



Lexington Kentucky

Horse Capital of the World

**INVITATION TO BID #142-2012**

**Fiber Optic Cable & Control Equipment**

**NOTICE TO BIDDERS**

**Bid Opening Date: October 4, 2012**

**Bid Opening Time: 2:00 PM**

**Address: 200 East Main Street  
3<sup>rd</sup> Floor, Room 338**

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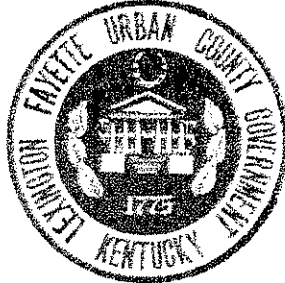
**Pre Bid Meeting: N/A**

**Pre Bid Time: N/A**

**Address: N/A**

# Lexington Fayette Urban County Government

Division of Central Purchasing



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